

PFSP 0,6/1kV

HD 603 S1 Part 3-J



PVC insulated and PVC sheathed power cable with concentric copper conductor



CONSTRUCTION

Conductors:	annealed copper circular or circular compacted stranded conductor class 2 (FR) or stranded sector – shaped conductor class 2 (FV) acc. to IEC 60228
Insulation:	special PVC compound type DIV9 acc. to HD 603.1
Inner covering:	PVC tape
Concentric conductor:	Copper wires and copper tape
Sheath:	special PVC compound type DMV24 acc. to HD 603.1

CHARACTERISTIC

Colour of sheath:	grey RAL 7037
Core identification:	3-core: brown, black, grey 4-core: blue, brown, black, grey
Maximum conductor operating temperature:	+70°C
Lowest ambient temperature for fixed installation:	-30°C
Lowest installation temperature:	-10°C
Maximum short-circuit conductor temperature:	+ 160°C
Minimum bending radius:	12 x D, D – overall diameter
Max. permissible tensile stress with cable grip for Cu-conductor:	50 N/mm ²
Test voltage:	3,5kV
Flame retardant:	IEC 60332-1-2

APPLICATIONS

PVC insulated and sheathed power cables for the supply of electrical energy.

Special for installations in the open air, in underground and water, indoors, in cable ducts. The concentric conductor is allowed to use as neutral, protective or earthed conductor. Simultaneously, this also is permitted to apply as a screen for example earth-connected protection against contact.

Standard length cable packing	500 or 1000m on drums. Other forms of packing and delivery are available on request
--------------------------------------	--

PFSP 0,6/1kV

HD 603 S1 Part 3-J



Number and cross-sectional area of conductor	Approximate overall diameter	Approximate net weight of cables	Maximum conductor /concentric conductor resistance at temperature 20°C
n x mm ²	mm	kg/km	Ω/km
3x25FR/16	24,2	968	0,727/1,15
3x35FV/16	24,8	1433	0,524/1,15
3x50FV/25	28,1	1934	0,387/0,727
3x70FV/35	31,1	2644	0,268/0,524
3x95FV/50	34,8	3585	0,193/0,387
3x120FV/70	38	4498	0,153/0,268
3x185FV/95	46,3	6777	0,0991/0,164
4x25FR/16	27,6	1504	0,727/1,15
4x35FV/16	27,5	1824	0,524/1,15
4x50FV/25	31,3	2463	0,387/0,727
4x70FV/35	34,6	3369	0,268/0,524
4x95FV/50	39,9	4661	0,193/0,387

All the information contained in this document - including tables and diagrams - is given in good faith and believed to be correct at the time of publication. The information does not constitute a warranty nor representation for which TELE-FONIKA Kable assumes legal responsibility. TELE-FONIKA Kable reserves rights to introduce changes to the document at any time.